



# JAY HWANG

SOFTWARE ENGINEER

## PORTFOLIO



[www.jayhwang.xyz](http://www.jayhwang.xyz)



[www.github.com/jay-hwang](https://www.github.com/jay-hwang)

## SKILLS

JavaScript	Ruby on Rails
ES6	Postgres
React.js	Redux
jQuery	SQL
CSS	Git
HTML5	Python
Webpack	Photoshop

## CONTACT



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## EXPERIENCE

2014 - 2017

### Software Engineer

*Contract Developer for humanitarian organizations & early-stage start-ups*

- Delivered quality full-stack applications using JavaScript, React/Redux HTML, CSS, Photoshop, Ruby on Rails, SQL & Postgres
- Pioneered technical design & implementation decisions including app functionality & UI/UX design
- Reduced development-time 25% by creating Reusable Components & utilizing Meta-Programming
- Boosted client satisfaction by following up & refactoring code to ensure product quality

## PROJECTS

LIVE GITHUB

### Couchbnb

*Sole Full-Stack developer / Single page app inspired by Airbnb*

- Designed & implemented RESTful API to communicate via AJAX
- Slashed Database build-time 30% by writing a script to automate tasks
- Optimized search engine by employing Google Maps API to create a geo-location based search

LIVE GITHUB

### Space Invaders

*Sole Front-end developer / Browser-version of Classic Arcade game*

- Leveraged Object-Oriented Design principles to maintain DRY code
- Built physics engine to handle object movement + collisions
- Implemented power-up item feature & customized animations

LIVE GITHUB

### Tackling Trafficking

*Contract Full-Stack developer / Blog site fighting human trafficking*

- Worked directly with Founder to design & implement app functionality
- Reduced server-load by employing a queue to dispatch requests
- Improved performance & load time by utilizing cloud storage & CDNs
- Applied responsive-design techniques, employing media queries to create a fluid layout

## EDUCATION

SEP - DEC 2016

### Software Development

*App Academy*

- 1000-hour software development school with <3% acceptance rate
- 90th percentile based on weekly technical assessments & peer reviews

2012 - 2014

### Music Composition

*Nyack College*

- Majored in Music Composition & Music Performance - Jazz Drums